

CLAIMS

1. A bearing display apparatus provided with
a geomagnetic sensor for detecting earth-magnetism,
a display unit, and
5 a control unit for calculating a geographical bearing
based on detection values of the geomagnetic sensor and
making said display unit display the information of the
calculated bearing, wherein
said control unit monitors for an event of change in
10 operation of an electronic part mounted in the bearing
display apparatus and updates display of the information of
the bearing on the display unit in accordance with an
occurrence of the event.
2. A bearing display apparatus as set forth in claim 1,
15 wherein
said electronic part has a storage medium loading unit
in which a storage medium can be loaded, and
said change in operation is a change in a loaded state
of said storage medium in said storage medium loading unit.
- 20 3. A bearing display apparatus as set forth in claim 1,
wherein
said apparatus is provided with two housings connected
through a movement mechanism, at least one of the housings
having said display unit,
25 said electronic part has a detection unit for

detecting an operating state of said movement mechanism,
and

said change in operation is a change in detection of
said detection unit.

- 5 4. A bearing display apparatus as set forth in claim 3,
wherein

said movement mechanism has a plurality of operating
states differing in orientation of said display unit with
respect to said other housing, and

- 10 said control unit corrects the information of the
bearing on the change in orientation of said display unit
in accordance with a change in detection so as to perform
said update of the display.

5. A bearing display apparatus as set forth in claim 1,
15 wherein

said electronic part has a luminance changing unit for
changing a display luminance of said display unit and/or an
audio processing unit for outputting audio, and

- said change in operation is a change in said display
20 luminance or occurrence of presence of audio output.

6. A bearing display apparatus as set forth in claim 1,
wherein

said electronic part has a wireless communicating
means able to connect to a communication network, and

- 25 said change in operation is a change in

operation/nonoperation of said wireless communicating means.

7. A bearing display apparatus as set forth in claim 6, wherein

5 said apparatus is further provided with a position information acquiring unit for acquiring information relating to a geographical location of a current position, and

 said control unit acquires map information of
10 surroundings of a current position, specified based on position information acquired at said position information acquiring unit, from said communication network via said wireless communicating unit, and performs processing for displaying said map information together with the
15 information of the bearing on said display unit, and monitors for said change in operation while displaying said map information.

8. A bearing display apparatus as set forth in claim 7, wherein

20 said map information is a predetermined size, and
 if a current position specified based on said position information is at an end region of said map information, said control unit controls said wireless communicating unit so as to acquire map information adjoining to said end
25 region while displaying said map information on said

display unit.

9. A bearing display apparatus as set forth in claim 6,
wherein said control unit controls said wireless
communicating unit to perform processing for call reception
5 or mail reception while displaying said map information on
said display unit.

10. A bearing display apparatus as set forth in claim 1,
wherein said control unit corrects the information of the
bearing in accordance with a change in operation so as to
10 update the display.

11. A bearing display apparatus as set forth in claim 10,
wherein said control unit performs predetermined correction
on detection values of said geomagnetic sensor detected at
the time of occurrence of a change in operation, and
15 corrects the information of the bearing based on the
corrected values so as to update the display.

12. A bearing display apparatus as set forth in claim 1,
wherein said control unit monitors for a change in
operation for a plurality of electronic parts and corrects
20 the information of the bearing in accordance with the type
of change of operation.

13. A bearing display method in a bearing display
apparatus provided with a geomagnetic sensor for detecting
earth-magnetism, a display unit and electronic parts
25 changing in their operations, comprising

a step of calculating a geographical bearing based on detection values of the geomagnetic sensor;

a step of making said display unit display information of the calculated bearing;

5 a step of monitoring for a change in operation of an electronic part; and

a step for updating the display of the information of said bearing on said display unit in accordance with an occurrence of said change in operation.